

**Amendments to the Specification:**

Please replace the paragraph beginning at page 6, line 11, with the following amended paragraph:

A catheter-based radiation source may be introduced into the vessel containing the vulnerable plaque site identified for treatment (**Block 110**). The radiation source may be, for example, a radioactive wire, a radioactive strip, a radioactive pellet, a radioactive stent, a receptacle or lumen that contains radioactive material, a receptacle or lumen that receives radioactive material, a receptacle or lumen that is coated with radioactive material, a device for delivering x-ray radiation, and the like. The radiation source may be guided to a position adjacent to the treatment site (**Block 115**).